

material for birds which do not use boxes — flax for Orioles, artificial mud puddles for Robins, etc. Baths, fountains, berry-bearing trees and food boxes also come in for detailed consideration and go to make up a book that is fully deserving of the subtitle which Mr. Job has bestowed upon it, 'A Manual of Applied Ornithology.' — W. S.

The Ornithological Journals.

Bird-Lore.¹ XVII, No. 5. September–October, 1915.

Bird Clubs in America. By F. M. Chapman.— Followed by reports on the work of seven such organizations.

Bird Photography and Suet Stations. By A. Jacot.

The Great Destruction of Warblers: An Urgent Appeal. By A. R. Sherman.

Migration of North American Birds. By W. W. Cooke.— Treats of the crested Titmice.

The Condor.² XVII, No. 5. September–October, 1915.

Characteristic Birds of the Dakota Prairies. 1. In the Open Grassland. By Florence Merriam Bailey.

A Walking Eagle from Rancho la Brea. By L. H. Miller.— Description of a new species from this famous deposit, *Morphnus daggetti* (p. 180).

Estimated Average Age of the Herring Gull. By J. T. Nichols.— An interesting and suggestive paper.

A Late Nesting Record for the California Woodpecker. By H. W. Myers.

Description of a New Race of Savannah Sparrow and Suggestions on Some California Birds. By L. B. Bishop.— *Passerculus sandwichensis brooksi* (p. 187), Chilliwick, B. C. Notes on 15 other species.

A Partial List of the Summer Resident Land Birds of Monterey County, California. By J. R. Pemberton and H. W. Carriger.

The Oölogist.³ XXXII, No. 10. October 15, 1915.

Odd Nesting of the American Merganser. By I. T. Van Kammen. No. 11, contains excellent photographs of Duck Hawk nests by J. B. Dixon.

The Ibis.⁴ X Series. Vol. III, No. 4. October, 1915.

Report on the Birds collected by the late Mr. Boyd Alexander during

¹ Organ of the Audubon Societies. Edited by F. M. Chapman. Published by D. Appleton & Co., Harrisburg, Pa. (Bimonthly) \$1 per year.

² Edited for the Cooper Ornithological Club by Joseph Grinnell. Published at The Condor office, First Nat. Bank Building, Hollywood, Cal. (Bimonthly) \$1.50 per year.

³ Edited and published by R. M. Barnes, Lacon, Ill. (Monthly) \$1. per year.

⁴ Edited for the British Ornithologists' Union by W. L. Sclater. Published by Wm. Wesley and Son, 28 Essex St., Strand, London, W. C. (Quarterly) £1. 12s. per year.

his last Expedition to Africa.—Part V. Birds obtained in the Manenguba Mountains (Cameroon). By D. A. Bannerman.—43 species.

Plumages of the Male Crossbill. By C. B. Ticehurst.—The author seems to have overlooked Dr. J. Dwight's account of the molts of this species (Ann. N. Y. Acad. Sci., XIII, p. 174-176, 1900) where he will find much detailed information. Dr. Dwight is of the opinion that the brick red plumage with red rump is attained by almost all birds at the post nuptial molt. Mr. Ticehurst, however, found several assuming yellow feathers at this time.

Ornithological Notes from the Alix and Buffalo Lake Districts, Province of Alberta, Canada, 1914. By C. B. Horsbrugh.—An annotated list of 80 species. The Grackles observed must have been *Quiscalus quiscula aeneus* not *Q. quiscula quiscula* [sic.].

Studies on the Charadriiformes — II. On the Osteology of the Chatham Island Snipe (*Canocorypha pusilla*). By P. R. Lowe.—This curious bird is shown to be a relic of an earlier avifauna, a "living fossil" and the most generalized snipe known. Dr. Lowe considers it probably an outlying remnant of an earlier widespread stock of northern origin from which the present snipe and woodcock have sprung. Similar snipe of southern South America, etc., he thinks had a similar origin and does not regard them as evidence of an Antarctic continent from which all of these primitive types came.

Note on the Nestling Plumage of the Asiatic Golden Plover (*Charadrius dominicus fulvus*). By M. D. Haviland.

On Birds collected by Mr. C. Boden Kloss, on the Coast and Islands of Southeastern Siam. By H. C. Robinson.—One hundred species are listed of which four are described as new: *Pyrotrogon erythrocephalus klossi* (p. 735), Koh Chang; *Mesobucco duwaugli orientalis* (p. 738), Ok Yam; *Criniger ochraceus sacculatus* (p. 746), Geting Bidai, Selangor; and *Myiophonus klossii* (p. 750), Koh Mehsi.

The Avifauna of Central America: a Study in Geographical Distribution. By W. P. Pyecraft.

Bulletin of the British Ornithologists' Club.¹ No. CCIX. October 28, 1915.

Dr. Hartert described as new *Cyanoderma melanothorax baliensis* (p. 2), Bali. *C. m. melanothorax* from Java is a very rare bird and was overlooked in the British Museum Catalogue of Birds.

British Birds.² IX, No. 4. September, 1915.

Notes on the Breeding of the Asiatic Golden Plover. By Maud D. Haviland.—At the mouth of the Yenesei.

Screened and Open Nests of Redshanks. By C. W. Colthrup.

¹ Edited by D. A. Bannerman. Published by Witherby & Co., 326 High Holborn, London, W. C. 6s. per year (nine monthly numbers).

² Edited by H. F. Witherby, 326 High Holborn, London, S. W. (Monthly) 10s., 6d. per year.

British Birds. IX, No. 5. October 1, 1915.

On "Wait and See" Photography. By E. L. Turner.—Admirable pictures of Sandpipers, Wagtail, etc.

On Incubation. By Eric B. Dunlop.—Birds which incubate from the laying of the first egg do so to protect their conspicuous eggs, is the opinion of the author. He also finds great mortality among the youngest (and consequently smallest) members of such broods, due to their failure to secure as much food from the parents as do the larger, stronger, members of the family.

Gannets Breeding on Bressay. By J. H. Gurney.

British Birds. IX, No. 6. November 1, 1915.

Richard M. Barrington. By C. B. Moffat.—With portrait.

Further Notes on the Moults and Sequence of Plumages in some British Ducks. By F. W. Smalley.—Agrees with Miss Jackson (do., pp. 34-42) that re-coloring cannot occur without molt. He differs in some details from her statements, and finds that many female ducks have a spring molt and an eclipse plumage.

Notes on the Great Northern Diver. By Eric B. Dunlop.—Good account of nesting in Canada; with photographs.

The Moults of the British Passeres with Notes on the Sequence of their Plumages. By H. F. Witherby.—Corvidæ, Sturnidæ and Oriolidæ.

Avicultural Magazine.¹ VI, No. 12. October, 1915.

The Ruddy Headed Goose. *Cloëphaga rubidiceps*. By H. D. Astley.

A Wonderful Collection of Birds from Ecuador. By H. D. Astley.—Some 60 species brought alive to England. Another note records the arrival in Paris of 30 live Hummingbirds from Venezuela.

Avicultural Magazine. VII, No. 1. November, 1915.

The Red-crowned Pigeon. *Alectrænas pulcherrima*. By E. G. B. Meade-Waldo.—With incidents of a visit to the Seychelles.

A note in this number records a Scarlet Tanager kept in captivity for over 18 years.

The Emu.² XV, Part 2. October, 1915.

A New Honey-eater: *Macgillivrayornis claudi*. By W. Macgillivray.—Colored figure of this recently described bird.

Notes on the Yellow-bellied Shrike-Tit, *Falcunculus frontatus*. By A. H. Crisholm.

Comparative Osteology of Harris's Flightless Cormorant (*Nannopterum harrisi*). By R. W. Shufeldt.

Nesting of the Black Cormorant (*Phalacrocorax carbo*) in Tasmania. By Miss J. A. Fletcher.

¹ Edited by Hubert D. Astley for the Avicultural Society. Published by West, Newman & Co., 54 Hatton Garden, London E. C. (Monthly) 15s. per year.

² Edited for the Royal Australasian Ornithologists' Union by J. A. Leach and C. Barrett. Published by Walker May & Co., 25 Mackillop St., Melbourne. (Quarterly).

The Admission of Colour-Genera. By G. M. Mathews.—A commentary on the recent discussion before the British Ornithologists' Club.

Observations on the Nankeen Night Heron (*Nycticorax caledonicus*). By S. A. Hanscombe.

Proposals for a second edition of the Official Check-list of the Birds of Australia are presented.

The South Australian Ornithologist.¹ II, Part 4. October 1, 1915.

Birds of the North and North-West of Australia. By G. M. Mathews. No. 4.

On some Pellets or Casts of a Screech Owl (*Tyto alba delicatula*). By S. A. White.

Field Notes in the Blue Mountains. By E. Ashby.

Revue Française d'Ornithologie. VII, No. 76-77. August-September, 1915. (In French.)

Some Observations on the Birds of Sfax, Tunis. By P. Bede.

The Snipe. By M. de la Furge.—Migration in Europe, etc.

Birds Observed in Morocco. 1884-1914. By H. and A. Vaucher.—Concluded.

Revue Français d'Ornithologie.² VII, No. 78. October 7, 1915.

On the Young of the Cagon (*Rhinochatus jubatus*). By A. Menegaux.—Breeding of a pair in captivity.

Observations on the Life Histories of the Birds of the Kerguelen Islands. By J. Loranchet.—Continued from No. 76-77.

Ardea.³ IV, No. 3. September, 1915. (In Dutch.)

Meeting and excursion of the Netherland Ornithological Society.

Call Notes of *Anthus pratensis*. By H. Stadler and C. Schmitt.—An astonishing combination of musical and syllabic notation.

Ostrich raising in South Africa. By F. E. Blaauw.

Proceedings of the Bavarian Ornithological Society.⁴ XII, No. 3. July 25, 1915. (In German.)

Songs and Call Notes of the Wood Lark (*Lullula a. arborca*). By Stadler and Schmitt.

Observations on the Australian Avifauna. By Prof. O. Maas.

On the Ornis of Java. By Max Bartels.—Discusses *Planesticus fumidus* (Müll.), *P. javanicus* (Horsf.) and *Collocalia gigas* Hartl. & Butl.

Some New Forms from the West Indies and Venezuela. By C. E. Hellmayr and J. Graf von Seilern.—*Mimus gilvus antillarum* (p. 201), Grenada; *Myiarchus tyrannulus sanctæ-luciæ* (p. 201), St. Lucia; *M. ferox*

¹ Edited for the South Australian Ornithological Association by F. R. Zietz and others. Published quarterly by W. K. Thomas & Co., Adelaide. 8s. per year.

² Edited by A. Menegaux, 55 Rue de Buffon, Paris. (Monthly.)

³ Edited for the Netherlands Ornithological Society by L. F. De Beaufort, A. Van Pelt Lechner and E. D. Van Oort. Published by E. J. Brill, Leyden. (Quarterly.)

⁴ Edited by C. E. Hellmayr, Neuhauserstr. 51, München, Germany. (Quarterly.)

insulicola (p. 202), Tobago; *Dysithamnus mentalis cumbreanus* (p. 203), Las Quiguas, Ven.; *Leptotila verreauxi tobagensis* (p. 204), Tobago.

New Forms from the Neotropical Region. By C. E. Hellmayr.—*Euchlornis viridis chachapoyas* (p. 206), Chachapoyas, Peru; *Phaeochroa curieri berlepschi* (p. 208), Baranquilla, Colombia; *Psolidoprymna berlepschi* (p. 210), Anta, Cuzco, Peru; *Dryobates mixtus berlepschi* (p. 212), Mangrullo, W. Patagonia; *Pionopsitta amazonina theresæ* (214), El Escorial, W. Venezuela.

Ornithologische Monatsberichte.¹ 23, No. 7–8. July–August, 1915. (In German.)

Observations on Some Points in the Accounts of the Propagation of Our Cuckoos which are in need of Explanation. By R. Schlegel.

Remarks on *Carpodacus erythrinus* and its Forms. By E. Hesse.—*C. e. erythrinus, kubanensis* and *roseatus* recognized.

New Forms. By Reichenow.—*Chlorophoneus quadricolor intercedens* (p. 120), Useguha, German E. Africa; *Pomatorhinus australis damarensis* (p. 120), Windhuk, German S. W. Africa.

Journal für Ornithologie. Vol. 63, Heft. 3. July, 1915. (In German.)

The Characteristics of the Flight Feathers of the Birds of Northwestern Germany. By H. Reichling.

A New Contribution to the Ornithology of Saghalin. By E. Hesse.—91 species listed. *Bubo bubo borissowi* (p. 366) and *Anthus borealis* (p. 386) are described as new.

Annual Report (1914) of Bird Study at Rossiten. By J. Thienemann.

Message Ornithologique.² VI, No. 3. 1915. (In Russian.)

Notice of the Birds of the Vicinity of Tomsk. By P. and J. Zalesski. *Bombycilla garrulus ussuriensis* (p. 223). By S. A. Buturlin.—From Lake Khanka, S. Ussuri-land.

Bubo bubo zaissanensis (p. 224). By W. A. Hachlow.

Sterna hirundo turkestanensis (p. 226). By N. A. Sarudny.

On *Falco altaicus* and *F. lorenzi*. By P. Sushkin.

Notes on the Palearctic Forms of *Pinicola enucleator*. By S. A. Buturlin.—*P. e. urupensis* (p. 239) n. subsp. from Urup Isl., Kurile. Five races recognized, but *P. e. pacata* Bangs regarded as an individual monstrosity.

Birds collected by A. P. Velezhanin in the Basin of the Upper Irtysh. By G. I. Poljakow.

¹ Edited by Dr. A. Reichenow. Published by R. Friedlander & Son, Berlin, 6. Karlstr 11. (Monthly) 6M. per year.

² Edited by G. Poljakow, Gut "Sawino," Postabteilung Objralowka, Moscow Govt. Russia.